The listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Previously Presented) An alkali-free aluminoborosilicate glass consisting of by weight % based on oxide,

SiO_2	> 58 – 65,
B_2O_3	> 6 – 11.5,
Al_2O_3	> 14 – 20,
MgO	> 3 – 6,
CaO	> 4.5 – 10,
SrO	0 – 1.5,
BaO	> 1.5 – 6,
with SrO + BaO	> 3, and
ZnO	0 – < 2,

and essentially no alkali oxides.

2. (Previously Presented) An alkali-free aluminoborosilicate glass consisting of by weight % based on oxide,

SiO_2	> 58 – 65,
B_2O_3	> 6 – 11.5,
Al_2O_3	> 14 – 20,
MgO	> 3 – 6,
CaO	> 4.5 – 10,
SrO	0 – < 4,
BaO	> 2.5 – 6,
with SrO + BaO	> 3, and
ZnO	0 – 0.5,

and essentially no alkali oxides.

3. (Previously Presented) An aluminoborosilicate glass according to Claim 1, containing at most 5% by weight MgO based on oxide.

4. (Previously Presented) An aluminoborosilicate glass according to Claim 1, containing at least 60% by weight SiO_2 based on oxide.

5. (Previously Presented) An aluminoborosilicate glass according to Claim 1, containing more than 11% by weight MgO, CaO, SrO and BaO together based on oxide.

6. (Previously Presented) An alkali-free aluminoborosilicate glass consisting of by weight % based on oxide,

SiO_2	> 58 – 65,
B_2O_3	> 6 – 11.5,
Al_2O_3	> 14 – 20,
MgO	> 3 – 6,
CaO	> 4.5 – 10,
SrO	0 – 1.5,
BaO	> 1.5 – 6,
with SrO + BaO	> 3,
ZnO	0 – < 2,
ZrO_2	0 – 2,
TiO_2	0 – 2,
With $ZrO_2 + TiO_2$	0 – 2,
As_2O_3	0 – 1.5,
Sb_2O_3	0 – 1.5,
SnO_2	0 – 1.5,
CeO_2	0 – 1.5,
Cl^-	0 – 1.5,
F^-	0 – 1.5,
SO_4^{2-}	0 – 1.5, and
Wherein $As_2O_3 + Sb_2O_3 + SnO_2 + CeO_2 + Cl^- + F^- + SO_4^{2-}$	0 – 1.5,

and essentially no alkali oxides.

7. (Cancelled)

8. (Original) An aluminoborosilicate glass according to claim 1, having a ratio of MgO/CaO by weight of less than 1.

9. (Original) An aluminoborosilicate glass according to claim 1, having a ratio of MgO/CaO by weight of less than 0.7.

10. (Previously Presented) An aluminoborosilicate glass according to claim 1, containing at least 5% by weight CaO based on oxide.

11. (Previously Presented) An aluminoborosilicate glass according to claim 1, containing > 7 to ≤ 11% by weight B_2O_3 based on oxide.

12. (Previously Presented) An aluminoborosilicate glass according to claim 1, containing > 2.5% to ≤ 5% by weight BaO based on oxide.

13. (Cancelled)

14. (Currently Amended) An alkali-free aluminoborosilicate glass consisting of by weight % based on oxide,

SiO_2	> 58 – 65,
B_2O_3	> 6 – 11.5,
Al_2O_3	> 14 – 20,
MgO	> 3 – 6,
CaO	> 4.5 – 10,
SrO	0 – 1.5,
BaO	> 1.5 – 6,
with SrO + BaO	> 3, and
ZnO	> 0 – ≤ 0.5,

and essentially no alkali oxides

~~An aluminoborosilicate glass according to claim 1, containing more than 0 to up to 0.5% by weight ZnO based on oxide~~.

15. (Currently Amended) An alkali-free aluminoborosilicate glass consisting of by weight % based on oxide,

SiO_2	> 58 – 65,
B_2O_3	> 6 – 11.5,
Al_2O_3	> 14 – 20,
MgO	> 3 – 6,
CaO	> 4.5 – 10,
SrO	0 – 1.5,
BaO	> 1.5 – 6,
with SrO + BaO	> 3, and
ZnO	> 0 – ≤ 1.5,

and essentially no alkali oxides

~~An aluminoborosilicate glass according to claim 1, containing more than 0 to up to 1.5% by weight ZnO based on oxide~~.

16. (Previously Presented) An alkali-free aluminoborosilicate glass consisting of by weight % based on oxide,

SiO_2	> 58 – 65,
B_2O_3	> 6 – 11.5,
Al_2O_3	> 14 – 20,
MgO	> 3 – 6,
CaO	> 4.5 – 10,
SrO	0 – 1.5,
BaO	> 1.5 – 6,
with SrO + BaO	> 3,
ZnO	0 – < 2,
ZrO_2	≤ 0.5, and
TiO_2	≤ 0.5,

and essentially no alkali oxides.

17. (Previously Presented) An aluminoborosilicate glass according to Claim 2, containing at most 5% by weight MgO based on oxide.

18. (Previously Presented) An aluminoborosilicate glass according to Claim 2, containing at least 60% by weight SiO_2 based on oxide.

19. (Previously Presented) An aluminoborosilicate glass according to Claim 2, containing more than 11% by weight based on oxide MgO, CaO, SrO and BaO is greater together.

20. (Previously Presented) An alkali-free aluminoborosilicate glass consisting of by weight % based on oxide,

SiO_2	> 58 – 65,
B_2O_3	> 6 – 11.5,
Al_2O_3	> 14 – 20,
MgO	> 3 – 6,
CaO	> 4.5 – 10,
SrO	0 – < 4,
BaO	> 2.5 – 6,
with SrO + BaO	> 3,
ZnO	0 – 0.5,
ZrO_2	0 – 2,
TiO_2	0 – 2,

with $ZrO_2 + TiO_2$	0 – 2,
As_2O_3	0 – 1.5,
Sb_2O_3	0 – 1.5,
SnO_2	0 – 1.5,
CeO_2	0 – 1.5,
Cl^-	0 – 1.5,
F^-	0 – 1.5,
SO_4^{2-}	0 – 1.5, and
Wherein $As_2O_3 + Sb_2O_3 + SnO_2 + CeO_2 + Cl^- + F^- + SO_4^{2-}$	0 – 1.5,

and essentially no alkali oxides.

21. (Cancelled)

22. (Original) An aluminoborosilicate glass according to claim 2, having a ratio of MgO/CaO by weight of less than 1.

23. (Original) An aluminoborosilicate glass according to claim 2, having a ratio of MgO/CaO by weight of less than 0.7.

24. (Previously Presented) An aluminoborosilicate glass according to claim 2, containing at least 5% by weight CaO based on oxide.

25. (Previously Presented) An aluminoborosilicate glass according to claim 2, containing > 7 to ≤ 11% by weight B_2O_3 based on oxide.

26. (Previously Presented) An aluminoborosilicate glass according to claim 2, containing > 2.5% to ≤ 5% by weight BaO based on oxide.

27. (Cancelled)

28. (Currently Amended) An alkali-free aluminoborosilicate glass consisting of by weight % based on oxide,

SiO_2	> 58 – 65,
B_2O_3	> 6 – 11.5,

Al_2O_3	> 14 – 20,
MgO	> 3 – 6,
CaO	> 4.5 – 10,
SrO	0 – < 4,
BaO	> 2.5 – 6,
with SrO + BaO	> 3, and
ZnO	> 0 – ≤ 0.5,

and essentially no alkali oxides

~~An aluminoborosilicate glass according to claim 2, containing more than 0 to up to 0.5% by weight ZnO based on oxide~~.

29. (Currently Amended) An alkali-free aluminoborosilicate glass consisting of by weight % based on oxide,

SiO_2	> 58 – 65,
B_2O_3	> 6 – 11.5,
Al_2O_3	> 14 – 20,
MgO	> 3 – 6,
CaO	> 4.5 – 10,
SrO	0 – 1.5,
BaO	> 1.5 – 6,
with SrO + BaO	> 3, and
ZnO	> 0 – ≤ 2.0,

and essentially no alkali oxides

~~An aluminoborosilicate glass according to claim 1, containing more than 0 to up to <2.0% by weight ZnO based on oxide~~.

30. (Previously Presented) An alkali-free aluminoborosilicate glass consisting of by weight % based on oxide,

SiO_2	> 58 – 65,
B_2O_3	> 6 – 11.5,
Al_2O_3	> 14 – 20,
MgO	> 3 – 6,
CaO	> 4.5 – 10,
SrO	0 – < 4,
BaO	> 2.5 – 6,
with SrO + BaO	> 3,
ZnO	0 – 0.5,
ZrO_2	≤ 0.5, and
TiO_2	≤ 0.5,

and essentially no alkali oxides.

31. (Previously Presented) An aluminosilicate glass according to claim 2, containing up to 3% by weight SrO based on oxide.

32. (Original) A substrate glass in thin-film photovoltaics or a display comprising an alkali-free aluminoborosilicate glass according to claim 1.

33. (Original) A TFT display or a thin-film solar cell comprising an alkali-free aluminoborosilicate glass according to claim 1.

34. (Original) A substrate glass in thin-film photovoltaics or a display comprising an alkali-free aluminoborosilicate glass according to claim 2.

35. (Original) A TFT display or a thin-film solar cell comprising an alkali-free aluminoborosilicate glass according to claim 2.

36-45. (Cancelled)

46. (Previously Presented) An aluminoborosilicate glass according to claim 6 containing Sb_2O_3.

47. (Previously Presented) An aluminoborosilicate glass according to claim 20 containing Sb_2O_3.

48. (Previously Presented)An aluminoborosilicate glass according to claim 1 that has a density of less than 2.6 g/cm^3.

49. (Previously Presented)An alkali-free aluminoborosilicate glass consisting of by weight % based on oxide,

SiO_2	> 58 – 65,
B_2O_3	> 6 – 11.5,
Al_2O_3	> 14 – 20,

MgO	> 3 – 6,
CaO	> 4.5 – 10,
SrO	0 – 1.5,
BaO	> 1.5 – 6,
with SrO + BaO	> 3,
ZnO	0 – < 2,
ZrO_2	0 – 2,
TiO_2	0 – 2,
With $ZrO_2 + TiO_2$	0 – 2,
As_2O_3	0 – 1.5,
Sb_2O_3	0 – 1.5,
CeO_2	0 – 1.5,
Cl^-	0 – 1.5,
F^-	0 – 1.5,
SO_4^{2-}	0 – 1.5, and
Wherein $As_2O_3 + Sb_2O_3 + CeO_2 + Cl^- + F^- + SO_4^{2-}$	0 – 1.5,

and essentially no alkali oxides.

50. (Previously Presented) An alkali-free aluminoborosilicate glass consisting of by weight % based on oxide,

SiO_2	> 58 – 65,
B_2O_3	> 6 – 11.5,
Al_2O_3	> 14 – 20,
MgO	> 3 – 6,
CaO	> 4.5 – 10,
SrO	0 – 1.5,
BaO	> 1.5 – 6,
with SrO + BaO	> 3,
ZnO	0 – < 2,
ZrO_2	0 – 2,
TiO_2	0 – 2,
With $ZrO_2 + TiO_2$	0 – 2,
As_2O_3	0 – 1.5,
Sb_2O_3	0 – 1.5,
SnO_2	0 – 1.5,
CeO_2	0 – 1.5,
F^-	0 – 1.5,
SO_4^{2-}	0 – 1.5, and
Wherein $As_2O_3 + Sb_2O_3 + SnO_2 + CeO_2 + F^- + SO_4^{2-}$	0 – 1.5,

and essentially no alkali oxides.

51. (Previously Presented) An alkali-free aluminoborosilicate glass consisting of by weight % based on oxide,

SiO_2	> 58 – 65,
B_2O_3	> 6 – 11.5,
Al_2O_3	> 14 – 20,
MgO	> 3 – 6,
CaO	> 4.5 – 10,
SrO	0 – < 4,
BaO	> 2.5 – 6,
With SrO + BaO	> 3,
ZnO	0 – 0.5,
ZrO_2	0 – 2,
TiO_2	0 – 2,
With ZrO_2 + TiO_2	0 – 2,
As_2O_3	0 – 1.5,
Sb_2O_3	0 – 1.5,
CeO_2	0 – 1.5,
Cl^-	0 – 1.5,
F^-	0 – 1.5,
SO_4^{2-}	0 – 1.5, and
Wherein As_2O_3 + Sb_2O_3 + CeO_2 + Cl^- + F^- + SO_4^{2-}	0 – 1.5,

and essentially no alkali oxides.

52. (Previously Presented) An alkali-free aluminoborosilicate glass consisting of by weight % based on oxide,

SiO_2	> 58 – 65,
B_2O_3	> 6 – 11.5,
Al_2O_3	> 14 – 20,
MgO	> 3 – 6,
CaO	> 4.5 – 10,
SrO	0 – < 4,
BaO	> 2.5 – 6,
with SrO + BaO	> 3,
ZnO	0 – 0.5,
ZrO_2	0 – 2,
TiO_2	0 – 2,

With $ZrO_2 + TiO_2$	0 – 2,
As_2O_3	0 – 1.5,
Sb_2O_3	0 – 1.5,
SnO_2	0 – 1.5,
CeO_2	0 – 1.5,
F^-	0 – 1.5,
SO_4^{2-}	0 – 1.5, and
Wherein $As_2O_3 + Sb_2O_3 + SnO_2 + CeO_2 + F^- + SO_4^{2-}$	0 – 1.5,

and essentially no alkali oxides.

53. (Previously Presented) An alkali-free aluminoborosilicate glass consisting of by weight % based on oxide,

SiO_2	> 58 – 65,
B_2O_3	> 6 – 11.5,
Al_2O_3	> 14 – 20,
MgO	> 3 – 6,
CaO	> 4.5 – 10,
SrO	0 – 1.5,
BaO	> 1.5 – 6,
with SrO + BaO	> 3,
ZnO	0 – < 2,
ZrO_2	0 – 2,
TiO_2	0 – 2,
With $ZrO_2 + TiO_2$	0 – 2,
As_2O_3	0 – 1.5,
Sb_2O_3	0 – 1.5,
SnO_2	0 – 1.5,
Cl^-	0 – 1.5,
F^-	0 – 1.5,
SO_4^{2-}	0 – 1.5, and
Wherein $As_2O_3 + Sb_2O_3 + SnO_2 + Cl^- + F^- + SO_4^{2-}$	0 – 1.5,

and essentially no alkali oxides.

54. (Previously Presented) An alkali-free aluminoborosilicate glass consisting of by weight % based on oxide,

SiO_2	> 58 – 65,

B_2O_3	> 6 – 11.5,
Al_2O_3	> 14 – 20,
MgO	> 3 – 6,
CaO	> 4.5 – 10,
SrO	0 – < 4,
BaO	> 2.5 – 6,
with SrO + BaO	> 3,
ZnO	0 – 0.5,
ZrO_2	0 – 2,
TiO_2	0 – 2,
With $ZrO_2 + TiO_2$	0 – 2,
As_2O_3	0 – 1.5,
Sb_2O_3	0 – 1.5,
SnO_2	0 – 1.5,
Cl^-	0 – 1.5,
F^-	0 – 1.5,
SO_4^{2-}	0 – 1.5, and
Wherein $As_2O_3 + Sb_2O_3 + SnO_2 + Cl^- + F^- + SO_4^{2-}$	0 – 1.5,

and essentially no alkali oxides.

55. (Previously Presented) An alkali-free aluminoborosilicate glass consisting of by weight % based on oxide,

SiO_2	> 58 – 65,
B_2O_3	> 6 – 11.5,
Al_2O_3	> 14 – 20,
MgO	> 3 – 6,
CaO	> 4.5 – 10,
SrO	0 – 1.5,
BaO	> 1.5 – 6,
with SrO + BaO	> 3,
ZnO	0 – < 2,
ZrO_2	0 – 2,
TiO_2	0 – 2,
With $ZrO_2 + TiO_2$	0 – 2,
As_2O_3	0 – 1.5,
Sb_2O_3	0 – 1.5,
SnO_2	0 – 1.5,
CeO_2	0 – 1.5,
Cl^-	0 – 1.5,
F^-	0 – 1.5,
SO_4^{2-}	0 – 1.5, and

Wherein $As_2O_3 + Sb_2O_3 + SnO_2 + CeO_2 + Cl^- + F^- + SO_4^{2-}$	0 – 1.5,

and essentially no alkali oxides, and wherein the glass does not contain at least one of ZrO_2 or TiO_2.

56. (Previously Presented) An alkali-free aluminoborosilicate glass consisting of by weight % based on oxide,

SiO_2	> 58 – 65,
B_2O_3	> 6 – 11.5,
Al_2O_3	> 14 – 20,
MgO	> 3 – 6,
CaO	> 4.5 – 10,
SrO	0 – < 4,
BaO	> 2.5 – 6,
with SrO + BaO	> 3,
ZnO	0 – 0.5,
ZrO_2	0 – 2,
TiO_2	0 – 2,
with $ZrO_2 + TiO_2$	0 – 2,
As_2O_3	0 – 1.5,
Sb_2O_3	0 – 1.5,
SnO_2	0 – 1.5,
CeO_2	0 – 1.5,
Cl^-	0 – 1.5,
F^-	0 – 1.5,
SO_4^{2-}	0 – 1.5, and
Wherein $As_2O_3 + Sb_2O_3 + SnO_2 + CeO_2 + Cl^- + F^- + SO_4^{2-}$	0 – 1.5,

and essentially no alkali oxides, and wherein the glass does not contain at least one of ZrO_2 or TiO_2.

57. (New) An alkali-free aluminoborosilicate glass according to claim 6 that contains As_2O_3 or Sb_2O_3, or does not contain SnO_2 or Cl^-.

58. (New) An alkali-free aluminoborosilicate glass according to claim 20 that contains As_2O_3 or Sb_2O_3, or does not contain SnO_2 or Cl^-.

59. (New) An alkali-free aluminoborosilicate glass according to claim 53 that contains As_2O_3 or Sb_2O_3, or does not contain SnO_2 or Cl^-.

60. (New) An alkali-free aluminoborosilicate glass according to claim 54 that contains As_2O_3 or Sb_2O_3, or does not contain SnO_2 or Cl^-.

61. (New) An alkali-free aluminoborosilicate glass according to claim 55 that contains As_2O_3 or Sb_2O_3, or does not contain SnO_2 or Cl^-.

62. (New) An alkali-free aluminoborosilicate glass according to claim 56 that contains As_2O_3 or Sb_2O_3, or does not contain SnO_2 or Cl^-.

63. (New) An alkali-free aluminoborosilicate glass according to claim 6 that does not contain SnO_2 or ZrO_2.

64. (New) An alkali-free aluminoborosilicate glass according to claim 20 that does not contain SnO_2 or ZrO_2.

65. (New) An alkali-free aluminoborosilicate glass according to claim 53 that does not contain SnO_2 or ZrO_2.

66. (New) An alkali-free aluminoborosilicate glass according to claim 54 that does not contain SnO_2 or ZrO_2.

67. (New) An alkali-free aluminoborosilicate glass according to claim 55 that does not contain SnO_2 or or ZrO_2.

68. (New) An alkali-free aluminoborosilicate glass according to claim 56 that does not contain SnO_2 or ZrO_2.